Shane Brown

Cybersecurity & Web Development Professional

✉ shanebrown848@gmail.com | ☎ (928) 724-8038 | ⚲ Tsaile, AZ
🔗 [Portfolio](#) | 💻 [GitHub](#) | ⌛ [Credly](#)

Professional Summary

Multidisciplinary Cybersecurity and Web Development Professional with 2+ years of specialized experience in network defense, AI-powered security automation, and full-stack development. Currently serving as Web Developer at Diné College, driving digital transformation initiatives. **Proven results**: 85% vulnerability reduction, 100% intrusion prevention, and 98%+ client satisfaction. Combines 20+ years of high-precision electrical systems expertise with cutting-edge cybersecurity and web technologies to deliver secure, scalable solutions.

Technical Skills

Cybersecurity & Risk Management

- **Assessment & Testing**: Vulnerability Assessment, Penetration Testing, Threat Analysis
- **Security Operations**: SIEM Tools (Splunk), Incident Response, Network Defense
- **Tools**: Nessus, Wireshark, Metasploit, Nmap, VirtualBox, Docker

Web Development & Design

- **Frontend**: HTML5, CSS3, JavaScript, Responsive Design, UX/UI
- **CMS & Frameworks**: WordPress, Elementor, Custom Shortcodes
- **Development Tools**: Git/GitHub, Adobe Creative Suite, CI/CD Basics

Cloud & Infrastructure

- **Platforms**: AWS Security, Azure, Oracle Cloud
- **Management**: Domain Management, Firewall Configuration, Hosting & Deployment

Programming & Automation

- **Languages**: Python, JavaScript, SQL, Bash
- **Specialties**: AI API Integration, Chatbots, Web Scraping, Automation Scripts

Professional Experience

Web Developer | *Diné College - IT & Marketing Department*

Tsaile, AZ | *June 2025 – Present*

- **Digital Transformation**: Overhauled primary website and subdomains, improving performance and accessibility for 2,000+ students and staff
- **Custom Development**: Built interactive features using WordPress, Elementor, and custom shortcodes—including dynamic campus maps and service directories
- **Mobile Optimization**: Implemented mobile-first, responsive designs ensuring seamless cross-device experience
- **Brand Collaboration**: Partnered with marketing team to develop visual branding and event content aligned with institutional goals
- **Security & Maintenance**: Conducted ongoing security checks and backend maintenance ensuring 99.9% uptime
- **Digital Enablement**: Launched college radio station's digital presence and trained non-technical staff on content management

Cybersecurity Consultant & Freelance Web Developer | *Sinister Gate Designs*

Tsaile, AZ | *2024 – Present*

- **Security Assessments**: Conducted 15+ comprehensive cybersecurity assessments, **reducing client vulnerabilities by 90%**
- **Secure Web Solutions**: Designed and deployed secure, SEO-optimized websites with integrated custom security measures
- **AI Integration**: Developed AI-powered automation tools using Python and OpenAI API for chatbots, anomaly detection, and network analysis
- **Infrastructure Security**: Implemented advanced firewall setups achieving **100% intrusion prevention** during engagement periods
- **Product Development**: Launched Linktree-style micro-site builder with Stripe payments and analytics integration
- **Community Impact**: Built educational blog platforms and security awareness resources for public education
- **Innovation**: Created NFC-compatible digital business card generator platform
- **Client Success**: Maintained **98%+ satisfaction rating** while meeting tight project deadlines

Union Electrician | *Local 401*

Reno, NV | *2019 – 2023*

- **Mission-Critical Systems**: Maintained **99.8% uptime** for data center electrical systems, achieving zero unplanned outages
- **Large-Scale Projects**: Managed infrastructure for $2M+ telecommunications and IT projects
- **Network Infrastructure**: Supported network-connected electrical systems for mission-critical operations

Journeyman Electrician & QA Specialist | *Various Companies*

Southwest Region | *2014 – 2019*

- **Specialized Installations**: Designed electrical systems for cleanrooms, pharmaceutical, and semiconductor facilities
- **Quality Assurance**: Conducted compliance inspections on 50+ projects ensuring 100% spec adherence
- **Team Leadership**: Mentored junior team members, **improving crew efficiency by 30%**

Apprentice to Journeyman Electrician | *Various Companies*

Southwest Region | *2002 – 2013*

- **Precision Work**: Delivered electrical installations in hospitals, schools, and industrial facilities
- **Safety Excellence**: Maintained **zero safety incidents** across 11 years in high-risk environments
- **Process Improvement**: Developed diagnostic expertise **reducing repair times by 40%**

Education & Certifications

Education

- **Cybersecurity Bootcamp** | Arizona State University | 2024
  - *Focus*: Vulnerability scanning, SIEM deployment, cloud security, Python scripting
- **High School Diploma** | Chinle High School | 2002

Professional Certifications

- **Google Cybersecurity Professional Certificate** | Coursera | 2025
- **Cisco Networking Academy Certification** | 2025
  - Cybersecurity Pathway • Threat Management • Network Defense
  - Python Essentials • JavaScript Essentials • Endpoint Security
  - Data Analytics Essentials • AI Fundamentals • Cybersecurity Fundamentals

Key Achievements

☑ **Digital Transformation**: Enhanced Diné College's web presence with improved engagement and accessibility
☑ **Security Impact**: Achieved 90% reduction in client security incidents through proactive management
☑ **Innovation**: Built and deployed 5+ AI-enhanced cybersecurity and web development tools
☑ **Safety Record**: Maintained zero safety incidents throughout 20+ year career
☑ **Business Growth**: Founded and sustained Sinister Gate Designs, serving diverse client portfolio

Notable Projects

AI-Enhanced Security Tools | *Python, OpenAI API*

- Developed automated threat detection and network analysis tools for client environments

Diné College Website Overhaul | *WordPress, Elementor, Custom Development*

- Complete digital transformation improving accessibility and user engagement

Sinister Gate Designs Platform | *Full-Stack Development*

- Micro-site builder with integrated payment processing and analytics dashboard

Digital Business Card Generator | *JavaScript, NFC Integration*

- Mobile-ready, contactless networking solution for professional clients